Radio / Cassette

Phoenix CM 127 (EU)

Operating instructions

BLAUPUNKT
Bosch Gruppe

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Features

- **Radio features**
  - 15 FM/5 AM presets, including 5 FM and 5 AM Travelstore presets
  - Station scan
  - Local/distant seek and manual tuning

- **Cassette tape player features**
  - Autoreverse cassette mechanism
  - True fast-forward/rewind
  - Radio Monitor
  - Dolby B NR

- **CD changer control features (optional)**
  - CDC-A 05, CDC-A 071 changer control
  - Track up/down, disc up
  - Track/disc scan, repeat, track mix
  - Cue/review, pause/play

- **Audio features:**
  - 30 watts x 4 channel integrated amplifier
  - 2-channel preamp output
  - Adjustable maximum turn-on volume
  - Bass, treble, balance and fader control
  - Loudness button
  - Mute button

- **Other features:**
  - Detachable face (release panel)
  - Illumination, green
  - Clock recall
  - 179 x 50 x 150 mm DIN/ISO chassis
  - Detachable wire harness
  - Snap-in DIN sleeve and mounting hardware

Your unit's detachable front faceplate makes the unit useless to would-be thieves.

Designed, engineered and manufactured by Blaupunkt.

Traffic safety and precautions

- Do not adjust your unit in difficult driving conditions that demand your full attention.
- As the driver of a motor vehicle, it is your responsibility to pay attention to the traffic situation at all times. Never use your unit in a way that could distract you.
- Always make sure that you are still able to hear any warning signals coming from outside of the vehicle, such as police or fire engine sirens, so that you can react accordingly.
- If your vehicle was parked in direct sunlight resulting in a considerable rise in temperature inside the vehicle, allow the unit to cool off before operating it.

Detachable face (release panel)

Detaching and attaching the face:
The face of this unit can be detached and taken with you to prevent it from being stolen.

Detaching the face:
Press the **REL** (release) button and detach the face by gently pulling it off as illustrated.

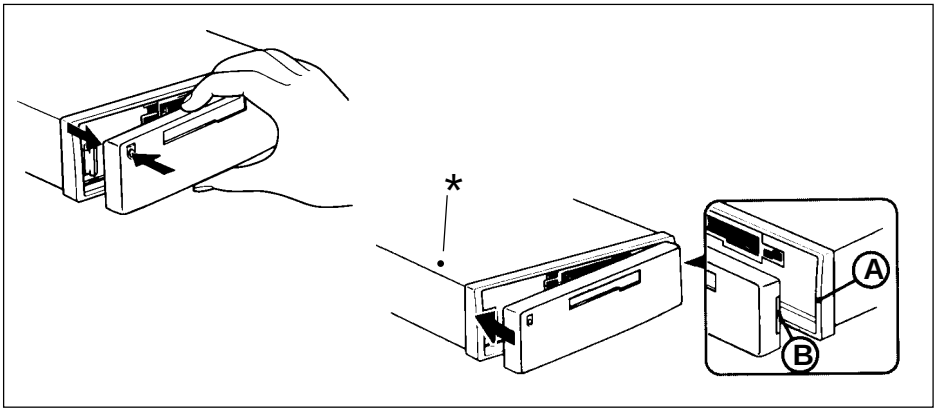
Note: Do not pull it straight out from the chassis. Be sure not to drop the face when detaching it from the chassis. Do not expose the face to direct sunlight, heat sources such as hot air ducts or leave it in a humid place.

Attaching the face:
Apply the right hand side of the face to the chassis by sliding (part **B**) of the face to (part **A**) at the front of the chassis. Gently push the left side of the face against the front of the chassis until it snaps into place.

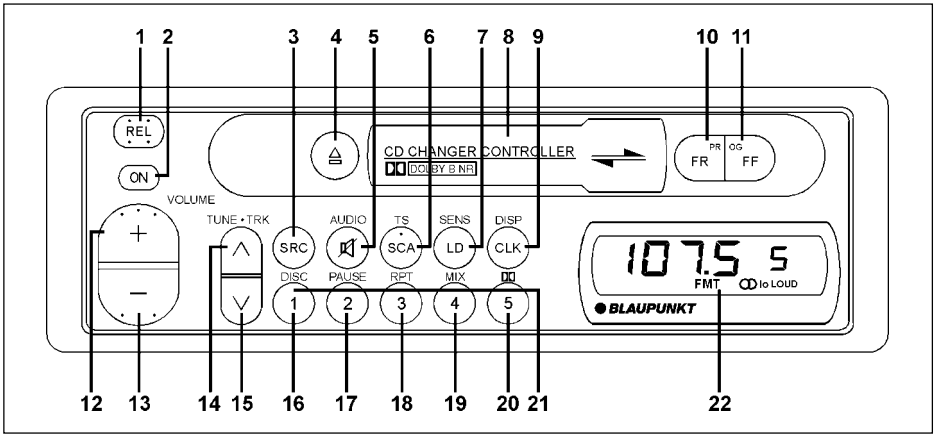
Note: Do not press against the display window. Do not press hard against the face when attaching it to the chassis, it may be easily attached with gentle pressure.

Affixing faceplate for retail display:
The faceplate can be affixed to the unit's chassis, which is desirable for a retail display, for example.

To affix the faceplate:
Insert the black bolt into the hole at the left front of the top of the radio. See * below.



Location of controls



1	**REL** (Release)	– Detaching faceplate
2	**ON** (Power)	– Power on/off
3	**SRC**	– Source and radio band select
4	⏏	– Cassette eject
5	🔇	– Mute
	AUDIO	– Access to bass, treble, balance and fader adjust
6	**SCA**	– Scan / disc scan and track scan
	TS	– Travelstore
7	**LD**	– Loudness
	SENS	– Tuning sensitivity
8	**Cassette insertion slot**	
9	**CLK**	– Clock adjust access / clock recall
	DISP	– Display change
10/11	**PROG**	– Tape program change (reverse)
10	**FR**	– Fast rewind
11	**FF**	– Fast forward
12	**+**	– Volume + / bass + / treble + / balance left / fade to front
13	**–**	– Volume - / bass - / treble - / balance right / fade to rear
14	∧	– Seek and manual tuning / clock hours / track up / cue
15	∨	– Seek and manual tuning / clock minutes / track down / track repeat / review
16	**DISC**	– Disc up
17	**PAUSE**	– Disc pause
18	**RPT** (Repeat)	– Disc and track repeat
19	**MIX**	– Track repeat at random
20		– Dolby B NR (noise reduction)
21	**1, 2, 3, 4, 5**	– FM/AM presets
22	**Display**	– Display

General operation

See “Traffic safety and precautions” on page 36.

“Press” means a momentary press of less than 1/2 second. All presses requiring more than 1/2 second are followed by a beep.

“Time Out” When additional button presses are anticipated to complete a procedure, the unit will automatically exit the procedure after 4 seconds of inactivity.

Ignition on
The unit lights up and the clock is displayed, provided it has been set before. Otherwise, “12:00” appears. How to set the clock is described under “Setting the clock”.

Power on
When the ignition is on, press **ON** or insert a tape to turn the unit on. The last-used source becomes active, unless the unit is turned on by inserting a cassette, in which case the cassette player becomes active.

Setting the clock
Turn the unit on. Press and hold the **CLK** button until the clock starts blinking. Once the clock starts blinking, press the ∧ button to set the hour, and press the ∨ button to set the minutes. Press the **CLK** button again to activate the clock.

Audio source
Use **SRC** to select the disired audio source. AM, FM1, FM2, FMT, cassette (if already inserted) and CD changer (if connected) will be activated one after the other.

Changing the information displayed
You can temporarily change the information shown in your unit’s display. You can also select which information has “display priority” and is shown in the display. When pressing a button, the display will always switch to the selected mode.

- To change the display priority, press the **DISP** button for two seconds. The display priority changes. The display priority choices are radio frequency, “TAPE 1” or “TAPE 2”, track or CD number (when optional CD changer is connected) and the clock.
- To change the display temporarily, press and release the **DISP** button to access the desired information. After four seconds, the display changes back to the priority information.

Power off
Press **ON** for more than 1/2 second to turn the unit off.

Release for detachable faceplate
Push **REL** to detach the face. A cassette already inserted remains in the unit. The current settings and the source mode are stored. If power was not switched off before you removed the face, the unit will automatically power-on when the face is reattached.

Audio operation

Volume control buttons
Press **+** and **–** to increase/decrease the volume from 0 to 63.

Adjustable maximum turn-on volume
Press and hold the **ON** button for more than two seconds. The unit turns off and the turn-on volume level is memorized.

Mute
Press 🔇 to temporarily reduce the volume. “MUTE” appears. Mute is terminated by pressing any button.

Bass, treble, balance and fader

- Bass
  Hold down the **AUDIO** button until “BASS” appears and then press immediately **+** or **–** to increase or decrease the bass in intervals between 7 and -7.
- Treble
  Hold down the **AUDIO** button until “BASS” appears. Then press **AUDIO** once again so that “TREb” appears. Now press immediately + or – to increase or decrease the treble in intervals between 7 and -7.
- Balance
  Hold down the **AUDIO** button until “BASS” appears. Then press **AUDIO** twice so that “BAL” appears. Now press immediately **+** or **–** to adjust the left/right volume between 9 (left) and -9 (right).
- Fader
  Hold down the **AUDIO** button until “BASS” appears. Then press **AUDIO** three times so that “FADE” appears. Now press immediately **+** or **-** to adjust the front/rear volume between 9 (front) and -9 (rear).

Loudness
Press **LD** to boost the low frequencies for a more natural sound. The “LOUD” icon appears. To cancel, press **LD** again.

Radio operation

Selecting the waveband/memory bank
Press **SRC** repeatedly to access the modes FM1, FM2, FM3/FMT (FM banks 1-2-3, T=Travelstore), AM/AMT (AM bank and AM Travelstore).

Tuning sensitivity
Press **SENS** for more that 2 seconds to switch between lo and dx search sensitivity (for local and distant stations). In general, set SENS to lo when in metropolitan areas or where stations tend to be strong and local ("lo" appears), and to dx if in rural areas or where stations tend to be weak and distant.

Seek tuning
Press ∧ or ∨ to seek next receivable frequency. Tuning stops at the next frequency that fulfils the sensitivity requirements predetermined.

Manual tuning
To activate manual tuning press and hold ∧ or ∨ until you hear a beep. Press ∧ or ∨ again and the frequency will go one channel/step in the direction pressed. Press and hold causes continuous manual tuning. The manual tuning mode has to be reactivated after 4 seconds or after storing a station on a preset.

Preset station storage
After tuning to the desired radio station on the desired band, press and hold a preset button for more than 2 seconds to store the current frequency. Audio is muted during the storage, the preset number appears, and a beep acknowledges the storage. The number of the selected preset appears in the display.

Travelstore
Press **TS** for 2 seconds to activate FM or AM Travelstore. "TS" appears. Beginning at the bottom of the band, TS stores the five strongest stations sorted according to the signal strength and returns to preset 1.

Preset station selection
Press desired preset button.

Station scan tuning
Press **SCA**. The frequency blinks during scanning. The unit stops at receivable stations for 4 seconds. The unit continuously scans until the user stops scan by pressing **SCA**.

Radio reception hint
When listening to weak or distant AM stations, adjusting the treble to minimum (-7) will reduce noise and improve sound.

Stereo symbol
The stereo symbol "ꝏ" turns on if a stereo station with a sufficiently strong signal is received. The unit gradually switches between mono and stereo automatically.

Cassette tape player operation

Tape playback:
Insert the tape into the slot. (Note: make sure the open side faces to the right.) When the ignition is on, the unit turns on by inserting a tape. Tape playback will start when the cassette is inserted. “LOAD” will briefly appear in the display. If “TAPE 1” appears, side 1 or A of the tape is played. “TAPE 2” stands for side 2 or B.

Ejecting the tape
Press the ⏏ button completely towards the face of the unit. The tape will eject. If the unit is turned on, “EJ” will briefly appear in the display and the last-heard radio station will play.

Tape program change
- Automatic change (autoreverse): When the end of the tape is reached, the unit will automatically reverse the direction and play the other side of the tape.
- Manual change: To manually reverse the tape direction, press both **PROG** (program) buttons **(FR and FF)** at the same time.

Fast winding
- To fast-rewind the tape, press the **FR** button. Tape rewinds and “◁” blinks in the display.
- To fast-forward the tape, press the **FF** button. Tape fast-forwards and “▷” blinks in the display.
- To stop fast-winding, press the other fast winding button, **FR** or **FF**.

Radio Monitor
During tape winding, the radio will play the most-recently heard radio frequency. All frequencies stored on the current bank of preset stations are accessible during fast winding.

Dolby B NR*
With this unit you can play back tapes recorded with Dolby B NR or without noise reduction. Cassette tapes recorded with Dolby B NR stand out by their reduced tape hiss and the improved dynamics. If Dolby B NR is switched on, “DOLBY” will light up in the display. To switch on/off: Press the DOLBY button.

* Noise Reduction system manufactured under license from Dolby Laboratories Licensing Corporation. Dolby and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

CD changer operation

(when optional CD changer is connected)

Your radio is ready to control the Blaupunkt CD changer CDC-A 05 or CDC-A 071 with the Disc Management System. The CD changer is not included in the delivery. See your Blaupunkt dealer for more information.

Make sure that at least one CD is inserted in the magazine. Press **SRC** until, for example, “T 1 d 1” appears to indicate that track 1 and disc 1 will be played.

Track up/down
Press ∧ to select tracks in upward direction. The display will show the new track number. Pressing ∧ while the last track is played selects the next disc. Press ∨ twice or several times to select a track in downward direction. Press ∨ more than 1 second to repeat the current track.

Disc up
Press **DISC** to select the next CD. The new disc number appears. Hold down **DISC** to speed up the selection.

Cue and review
Press and hold down the ∧ or ∨ button for audible cue and review.

Track repeat
Press **RPT once** to repeat the current track. The display will show “rPT” and the current track number. Pressing **RPT twice** cancels the track repeat function. “PLAY” will briefly appear.

Disc repeat
Press **RPT twice** to repeat the current disc. The display will show “rPTd” and the current disc number. The disc will be repeated when all tracks on the CD have been played. Pressing **RPT once** cancels the disc repeat function. “PLAY” will briefly appear.

Track mix
Press **MIX once** to play all tracks on the disc at random. The display will show “rdM” and the current track number. When each track of the disc has been played at random, the unit will automatically select the next disc. Press **MIX twice** to cancel the track mix function. “PLAY” will briefly appear.

Disc mix
Press **MIX twice** to play tracks and discs at random. The display will show “rdMd” and the current disc number. Pressing **MIX once** cancels the disc mix function. “PLAY” will briefly appear.

Pause
Press **PAUSE** to interrupt playback. “PAUSE” will appear. Press **PAUSE** again to continue playback.

Track scan
Press **SCA** to scan all tracks for 10 seconds each. The track number will flash in the display. When all tracks of the disc have been scanned, the unit will start scanning the next disc. Press **SCA** again to cancel the track scan function.

Disc scan
Press **SCA** for more than 2 seconds. The disc number will flash in the display. The unit starts scanning the first track of each disc for 10 seconds. Press **SCA** again to cancel the disc scan function.

Changer reset
In the unlikely case of CD changer malfunction, reset the CD changer by turning the unit off and on.

Specifications

Audio power specifications

Power output and total harmonic distortion: 19 watts per channel minimum continuous average output into 4 ohms, 4 channels driven, from 35-15000 Hz.

Other specifications

Tuner

FM

Tuning range:	87.5 - 108 MHz
FM mono sensitivity:	1.0 µV
Signal-to-noise ratio:	65 dB (stereo), 70 dB (mono)
Frequency response:	35-15000 Hz

AM

Tuning range:	531 - 1602 kHz
Signal-to-noise ratio:	50 dB
Frequency response:	35-5000 Hz

Cassette

Signal-to-noise ratio:	55 dB
Dolby B NR:	65 dB
Tape wow and flutter:	0.3 %
Tape frequency response:	35-15000 Hz

Audio

Speaker impedance:	4-8 ohms
Maximum amp power:	4 x 30 watts (at 4 ohms)
RMS power:	4 x 19 watts (at 4 ohms) acc. to DIN 45 324 at 14.4 volts

General

Dimensions (w/o projecting parts/controls):	179 x 50 x 150 mm
Mass:	Approx. 1.4 kg
Power requirement (neg. grnd.):	12 V DC car battery (11-16 V DC allowable)
Operating temperature:	-20°C to 60°C

Supplied accessories:

- Unit
- Faceplate (release panel)
- Wire harness
- DIN sleeve
- Mounting hardware
- Owner's manual
- Car radio passport
- Labels

Design and specifications subject to change without notice.

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